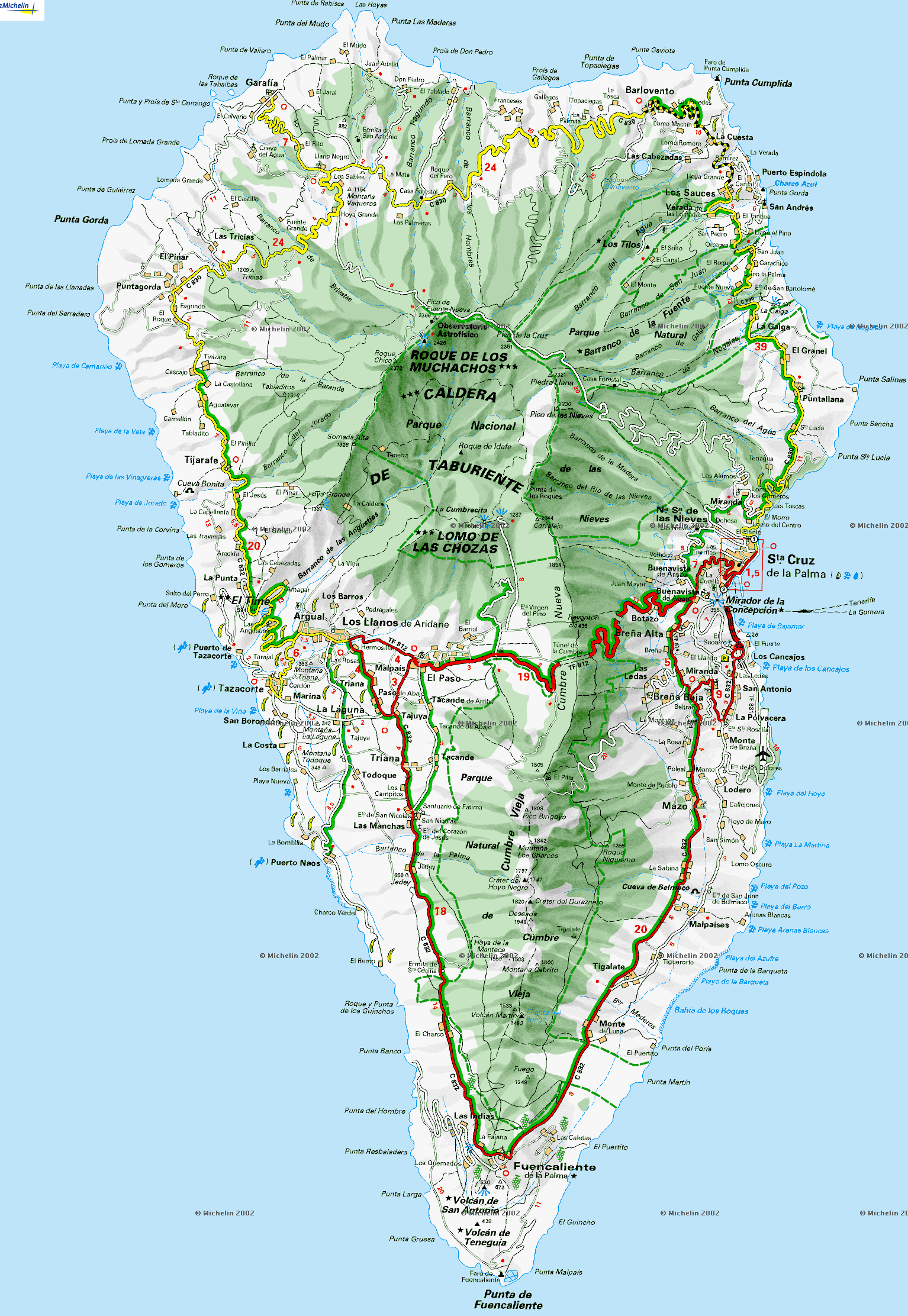
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****In the Eastern Atlantic, off the coast of Africa, there lies a group of islands called the Canary Islands. One island in particular has gotten the attention of several scientists. This island, named La Palma, is an active volcano and has been claimed be the possible cause of a major tsunami. One day the volcano could violently erupt and cause a large mass of rock and dirt to rapidly slide into the ocean. This would send a large tsunami traveling across the Atlantic Ocean. How long would it take for this tsunami to reach certain places? Do you think there would be enough time to evacuate everyone who lived on a coast?

Using the concept of rates, let’s see if we can answer these questions. Place all answers in the space provided. Everyone will need to turn in their own worksheet.

1. Set up a word equation using rates to see what pieces of information you will need to solve the questions.
2. To find out how far the tsunami will travel, use the map to find the distance (in miles) from the Canary Islands to:
   1. Portugal Coast
   2. The N.J. Coast
   3. The Florida Coast
3. The La Palma Tsunami is projected to travel at 500miles/hour. Use this information to help solve how long it would take for the tsunami to reach: (SHOW ALL WORK)
   1. Portugal
   2. The N.J. Coast
   3. The Florida Coast
4. Do you think this is enough time to evacuate everyone who lives on a coast? Explain your answer.